



State Approved Courses for Agriculture, Food & Natural Resources Programs School Year 2018-19

	Food Products & Processing Systems Pathway	Plant Systems Pathway	Animal Systems Pathway	Power, Structural & Technical Systems Pathway	Natural Resources Systems Pathway	Environmental Service Systems Pathway	Agribusiness Systems Pathway
Foundational CTE Courses	Career Exploration (22151) Foundations of Technology (10004^*) Employability (22152^*) Leadership and Service (22101^*) Entrepreneurship (12053^*) [Entrepreneurship (12053^*) does not count for FFA membership] <i>*.5 credits of Foundational CTE courses can be counted toward students' 2-credit concentrator status</i>						
Cluster Courses	Ag Leadership & Communications (18203) MS Introduction to AFNR (18000) Introduction to AFNR (18001) CASE Introduction to AFNR (18006)						
Pathway Courses	Ag Processing Technology (18302)	Fundamental Plant Science (18051)	Fundamental Animal Science (18101^*)	Fundamental Ag Mechanical Technologies (18401)	Fundamental Natural Resources (18504)	Environmental Science (03003^*)	Agribusiness Sales & Marketing (18201)
	Food Science (18305)	Fundamental Horticulture (18052)	Advanced Animal Science (18107)	Ag Systems Technology (18402)	Wildlife & Fisheries (18501^*)	Fundamental Natural Resources (18504)	Agribusiness Management (18202^*)
	Agriculture Biotechnology (18308)	Advanced Horticulture (18053)	Companion Animals (18102)	Fundamental Ag Structures Technology (18403)	Advanced Natural Resources (18502)	Agriculture Biotechnology (18308)	
		Advanced Plant Science (18057)	Agriculture Biotechnology (18308)	Ag Metal Fabrication (18404)			
		Agriculture Biotechnology (18308)		Advanced Ag Structures Technology (18407)			

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Pathway Courses (cont'd)	CASE Courses Animal & Plant Biotechnology (18313) Food Science & Safety (18312)	CASE Courses Principles of Agricultural Science - Plant (18056) Animal & Plant Biotechnology (18313)	CASE Courses Principles of Agricultural Science - Animal (18106) Animal & Plant Biotechnology (18313)	CASE Courses Agricultural Power & Technology (18405)	CASE Courses Natural Resources & Ecology (18505)	CASE Courses Animal & Plant Biotechnology (18313)	
Dual Credit Courses	Visit www.sdmylife.com for a full list of dual credit courses in the Agriculture, Food & Natural Resources Career Cluster.						
Academic Courses	Biology (03051^) Biology - Advanced Studies (03052) AP Biology (03056^) Chemistry (03101^) Organic Chemistry (03103) AP Chemistry (03106^) AP Environmental Science (03207) Physics (03151^) Geometry (02072^) <i>*.5 credits of relevant academic coursework can be counted toward students' 2-credit concentrator status</i>						
Capstone Courses	Entrepreneurship Experience (80026) Senior Experience (80019^) Service Learning (22104) Youth Internships (80018^) Youth Apprenticeship (80020) <i>*Up to 1 credit of capstone coursework can be counted toward students' 2-credit concentrator status</i>						